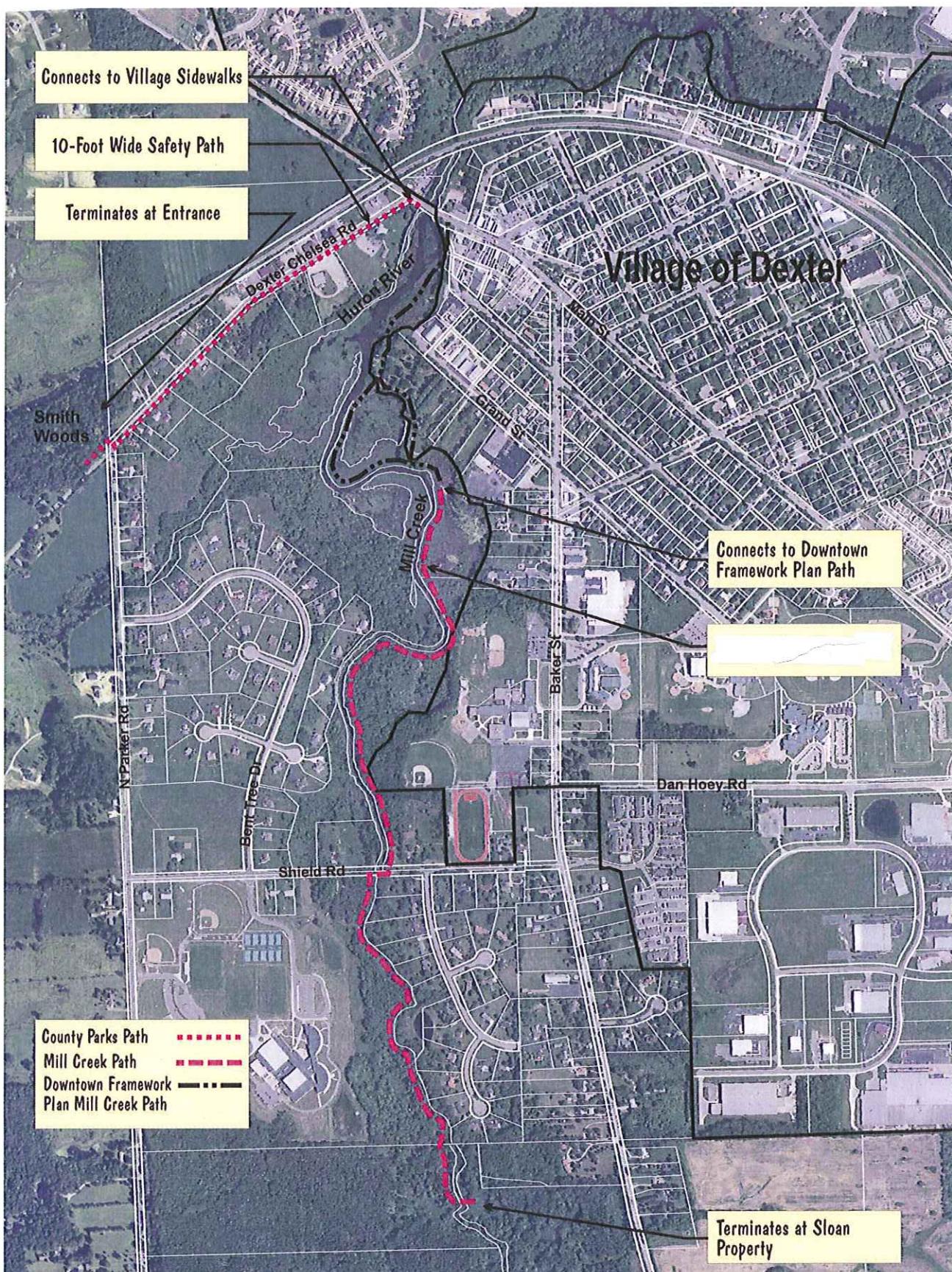
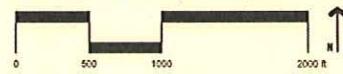


## **APPENDIX J**



### Concept Pathway Plan Mill Creek Area

Village of Dexter  
Washtenaw County, Michigan



Carlisle/Wortman Associates, Inc.  
April 2007

## **APPENDIX K**

RESOLUTION # 28-2007  
RESOLUTION FOR THE PURPOSE OF ESTABLISHING THE MILL POND PARK –  
CONCEPT PLANNING COMMITTEE

At a regular meeting of the Village Council of the Village of Dexter, Michigan called to order by President Jim Seta on October 8, 2007 at 7:30 p.m. the following resolution was offered:

Motion by Fisher      Support Carson

WHEREAS, Village Council has expressed a desire to establish a Mill Pond Park – Concept Planning Committee, and

WHEREAS, the Mill Pond Park – Concept Planning Committee members shall be appointed by Village Council:

NOW THEREFORE BE IT RESOLVED, that the Mill Pond Park – Concept Planning Committee be created to act within the following parameters:

1. This Committee will provide a single distinct channel for any and all ideas, historic and new, relative to the Mill Pond redevelopment to be shared and researched.
2. The overall goal will be to use this open information exchange to create a redevelopment plan that takes into account storm water, aesthetic, recreational, ecological and financial objectives.
3. Any funding required must be requested through the Village Manager who will determine availability.

BE IT FURTHER RESOLVED, that the individuals listed below be appointed to the Mill Pond Park – Concept Planning Committee

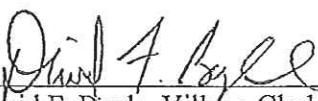
Parks Commission Representative	Alan Green
Parks Commission / Council Representative	Joe Semifero
Planning Commission Representative	Scott Bell
Planning Commission Representative	Thomas Phillips
Downtown Development Authority Representative	Dan O'Haver (Gary VanderHagen – Alternate)
Village Staff Representative	Allison Bishop
Member at Large	Paul Cousins

Ayes: Carson, Cousins, Fisher, Keough, Semifero, Tell, Seta

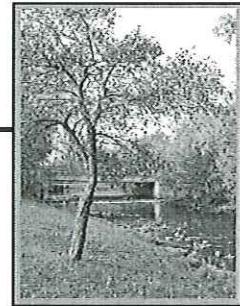
Nays: None

Absent: None

I certify that the above Resolution was adopted by the Village of Dexter on October 8, 2007.

  
\_\_\_\_\_  
David F. Boyle, Village Clerk

## **APPENDIX L**



#### MISSION STATEMENT:

The Mill Creek Park Planning Team will recommend to Village Council a concept for a linear park in the area of the existing Mill Pond, Warrior Creek Park and adjacent areas. We will seek the input of stakeholders, integrate the work of prior study groups, and the lessons of other communities. By thoughtfully considering aesthetic, cultural, ecological, financial, historical, and recreational objectives, we will develop a vision that attends to the needs and preferences of today while protecting the creek and its watershed for the future.

#### Mill Creek Park Planning Team

Scott Bell, Planning Commission  
Allison Bishop, Community Development Mgr.  
Paul Cousins, Village Council Trustee  
Alan Green, Chair, Parks Commission  
Thom Phillips, Planning Commission  
Joe Semifero, Village Council Trustee & Parks  
Commission member  
Gary Vander Haagen, Downtown  
Development Association

"The overall goal will be to use this open information exchange to create a redevelopment plan that takes into account storm water, aesthetic, recreational, ecological and financial objectives

- Resolution #28-2007  
Dexter Village Council, 10/8/2007

#### Goals and Strategies

The goals and strategies below are included to help explain some of the solutions and park activities being considered by the team. These strategies are illustrations, not final, and will continue to evolve as the process unfolds.

- A. GOAL: To restore and to protect the Mill Creek and its watershed consistent with today's best practices of system stewardship.

##### Strategies

1. Improve water quality and erosion control through the implementation of effective storm water management techniques including bioretention and biofiltration.
2. Develop a process by which sediment control is effectively maintained long-term.
3. Restore native habitat including wetlands and bottom vegetation.
4. Restore and improve the creek's natural riparian buffers.

- B. GOAL: To select, develop, and enhance site appropriate passive and low-impact active recreation opportunities.

##### Strategies

1. Develop ecologically-sound boardwalks, pathways, small decks, and/or other infrastructure conducive to:
  - birding
  - photography
  - painting, drawing, and sketching
  - sitting, contemplation, and conversation
2. Develop areas conducive to fishing, both traditional and fly-, including an elevated dock or deck for children.
3. Develop and maintain the creek for navigation by canoe and kayak paddlers including a landing or landings for easy loading/unloading and creek access.
4. Consider pathways that would allow use by:
  - walkers/hikers
  - walkers with strollers
  - physically-challenged persons
  - inline-skaters
  - skateboarders
  - cyclists

- cross-country skiers
  - snowshoers.
5. Consider the installation of a dual-purpose skating area accommodating both summer and winter skating activities.
  6. Develop assets supportive of education, both static information delivery for casual visitors and programmed activities provided by the Dexter Community Schools and other interested agencies or groups. They should include information kiosks, species or habitat identifiers, and a larger area for small group gathering. Assets would focus on site-specific natural features, flora and fauna, natural history, and local history.

C. GOAL: To develop the park as a trail system hub and a link to adjacent recreation areas and community assets.

Strategies

1. Design and develop pathways linking:
  - *adjacent recreational areas* including the Smith Woods and Miller Preserves, and the county's Border to Border Trail;
  - *community landmarks* including Monument Park, and the historic Gordon Hall estate;
  - *neighborhoods* including Westridge, the Cedars of Dexter retirement community, Island Hills Estates, and Bates Farms;
  - *schools* including Creekside Intermediate and Dexter High.
2. Develop and install wayfinding signage to assist visitors in identifying where they are and in navigating to their next destination.
3. Develop the park in a way that would allow it to anchor and be integrated into a larger, unified linear park stretching from the Huron River to Shield Rd and points beyond should it be desirable in the future.
4. Integrate park access points into the adjacent vision of the Village Downtown Development Authority.

D. GOAL: To build on "Dexter as a Destination" promotional efforts and stimulate additional economic activity.

Strategies

1. Develop and install wayfinding signage to assist park visitors in navigating to community assets including the historic downtown business district.
2. Develop the park with an eye towards ecologically sound activities that will increase visitors to our community year-round.
3. Identify future adjacent or park-inclusive retail space supporting park visitors and activities.
4. Consider the need for increased parking demand caused by park visitors and any potential solutions within and/or outside of the park.

E. GOAL: To foster community development through collaborative planning amongst Village, township, county, regional, and state commissions, authorities, agencies, and stakeholders.

Strategies

1. Identify and meet with various stakeholders and subject matter experts.
2. Communicate our meetings and our activities to the public and stakeholders in as open and transparent a manner as possible.
3. Invite input throughout the process and adopt changes which will improve our concept recommendation and/or its goals and strategies.

## **APPENDIX M**

Alan Green  
Karen Jovanelly  
Report to Parks Commission  
Village of Dexter  
Mtg of 17 June 2008

**SUMMARY**  
**SKATE PARK DESIGN & BUILD**  
**INFORMATION**

**I. Our Sample:**

- A. 14 Michigan skateparks and their owner/operator agencies interviewed.
- B. Oldest park built in 1998. Newest in 2008.
- C. Park size ranged from 5,500 sq. feet to 30,000 sq. feet.

**II. Design & Construction: What We've Learned**

- A. There are two design & build approaches to skate parks:
  - 1) Concrete slab with free-standing manufactured components.
  - 2) 100% poured concrete with integrated shaped concrete features
- C. 100% poured concrete parks are preferred by most skaters and operating entities.
  - 1) Appears to cost approximately 20-25% more than slab/component parks.
  - 2) Lifetime operating costs significantly less than slab/component parks.
  - 3) Longer lifespan.
  - 4) Provides more interesting designs and features, smoother surface, more skateable area.
  - 5) Poured concrete is much quieter and generally more aesthetically-pleasing.
- F. Park design & construction costs per square foot ranged from low of \$17/sf to high of \$41/sf. Eliminating the highest and the lowest narrows the range considerably to \$20 to \$33 with most recent (2007) being \$33/sf.
- G. These costs do not include landscaping, security fencing, or support services like bathrooms, water fountains, vending.
- H. High quality concrete is a must for a smooth surface that improves performance, decreases maintenance and lowers both seriousness and rate of injury.

**III. Concerns & Risks: What We've Learned**

- A. *The Village will incur injury liabilities* -- While injuries do occur, the sport is much safer than many per national statistics. In addition, NO local unit reported a single lawsuit filed and the MI Municipal Risk Management Authority backs that up statewide for all member units.
- B. *Skate parks attract bad kids, crime, drug use, vandalism* -- Interviews indicate that users of these parks are kids who like to be active and who simply need an outlet for their energy and activity JUST LIKE ANY OTHER PERSON OF ANY AGE OR GENDER. We received no reports of increased criminal or drug-related activity although it must be said that most operating agencies provide some measure of supervision as a deterrent whether via paid staff or law enforcement patrolling. The two dominant behavior problems are vandalism, but only to the park itself not the adjacent neighborhood, and foul language. To a lesser extent, issues with older users monopolizing the area preventing younger or inexperienced users from freely and safely participating do arise.
- C. *Skate parks are noisy* -- This can be true, especially with slab and component style parks where all of the sound is above grade and acoustically-enhanced by the manufactured box components. Significantly fewer noise issues were reported with the poured concrete style parks and most of those were related to users' voices.
- D. *This is just a fad and not worth the investment* -- Only one park interviewed indicated falling user numbers and they frankly admitted that this was a direct result of two new policies: first time implementation of a daily fee, and the enforced requirement of helmet usage. The truth is that participation levels are increasing not only in Michigan but across the country as a new, younger generation joins the initial -- now older -- generation of users whose interest continues or is being

rekindled as their children grow. There are now 80+ skateparks in Michigan with the majority having been built in this century. Many older, existing parks are being upgraded both in size and in quality.

#### V. Needs & Constraints: What we know

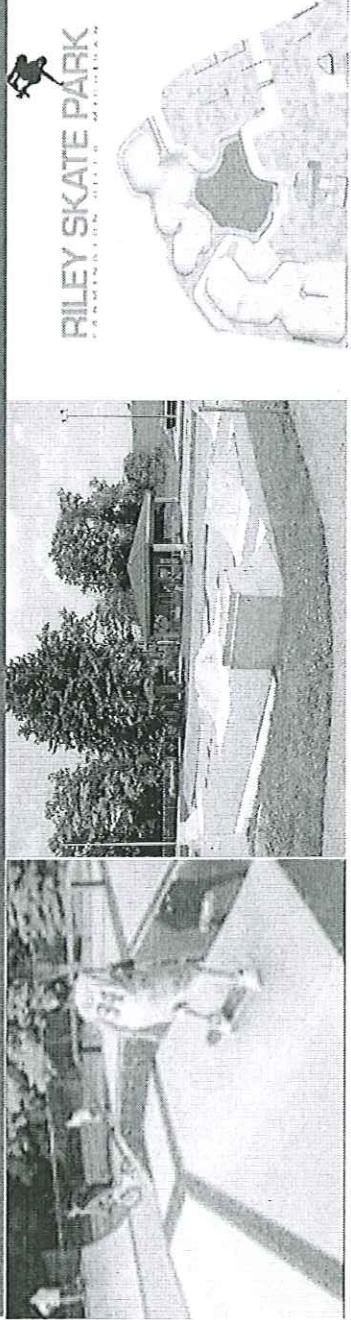
- A. There is a large group of skateboard and inline skating enthusiasts who desire a venue for their sport.
- B. Skateboarding and skating seems to be level and stable at worst and growing at best.
- C. Interest in the sport appeals across all age groups with the highest activity levels being in the 12-17 year-old age group; a group in need of healthy alternatives physically, emotionally, socially.
- D. In the absence of a venue, many of the younger enthusiasts seek to enjoy their sport in public and private areas that have not been designed for it leading to property damage, the annoyance of bystanders and pedestrians, safety concerns, negative attitudes based on unpleasant interactions with local law enforcement, and undesirable law enforcement costs.
- E. Finally, lest anyone be confused about who we are talking about. *These are our kids*, no one else's.
- F. A potentially serious resource constraint could be the current commitments of the Village to other high priority projects.

#### VI. Conclusion & Recommendations

A skate park appears to be a very worthy project and a desirable recreation addition to our Village. As a result, we recommend the following for the full Park Commission's consideration:

- A. Obtain school-aged population projections for our service area to confirm that the numbers of school-aged users will be there to sustain usage of the park.
- B. The initiation of the project should be evaluated in concert with the demands of other current park and recreation initiatives and placed in the CIP (Capital Improvements Projects) timeline accordingly.
- C. A project sub-committee of the Parks Commission should be established to develop the design and scope of the project, a project budget, list of potential locations, and to recommend both a design consultant and construction contractor. This group would include:
  - 1) 2-3 members of the Parks Commission
  - 2) 1 knowledgeable adult user and citizen advocate
  - 3) 2 student-aged users and citizen advocates
  - 4) 1 representative of the Dexter Community Schools
  - 5) It may also be useful to invite a representative from both the Village Planning Commission and local law enforcement.
- D. Park specifications should include:
  - 1) 5,000 to 10,000 square feet in area.
  - 2) Poured concrete construction
  - 3) Designed to serve beginner and intermediate users of all ages.
  - 4) Located in a highly visible area with easy access by skateboard, inline skates, bicycle, walking, and motor vehicle.
  - 5) The site should be secured with a 10' height fence.
  - 6) Access to shelter, refreshments, and snacks is desirable.
- E. Usage policies:
  - 1) Use should be free and open to the public whether resident or non-resident.
  - 2) It should be open to both skateboards and inline skates.
  - 3) Use by BMX and other bike styles should be fully and openly evaluated.
  - 4) The site should not be staffed.
  - 5) The use of protective gear should be strongly encouraged but not required in keeping with best practice recommendations of the MMRAA.
  - 6) A full set of policies should be posted at the entrance in keeping with best practice recommendations of the MMRAA.
- F. Programming
  - 1) It would be desirable to develop and offer an annual series of classes designed to teach beginning and advanced skills to keep participation levels high. This could be done in conjunction with Community Rec & Ed.

## AREA SKATEPARK COMPARISON

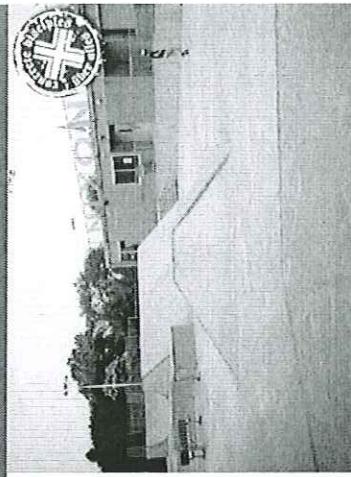


	<b>AUBURN HILLS SKATEPARK</b>	<b>AUBURN HILLS</b>	<b>MEIJER SKATEPARK</b>	<b>BRIGHTON</b>	<b>3</b>	<b>RILEY SKATEPARK</b>	<b>FARMINGTON HILLS</b>
Contact Person	Brian Marzoff, Dir., Parks & Rec. 248-370-9353		Chery Royster, Park Supervisor 810-225-8096 / 810-299-4140			Bryan Farmer, Rec. Supervisor 248-473-1805	
Organization	City of Auburn Hills		Southeast Livingston Co Rec Authority			City of Farmington Hills	
Currently Operating	Yes Since 2005		Yes Since 1999		No	Groundbreaking May 12, 2008 Hope to be open in October, 08	
Total Skateable Area	14,000 sf 50% street-style; ramps & rails	50%	3 acres	19,000 sf street-style asphalt; 1 ac roller hockey cement; 1+ ac; aerobic blading oval asphalt	29,000 sf	all concrete w/ multiple features including 10,000 sf bowl -- will be largest park in state	
Cost to build	\$300,000	\$25/sf	Surface & Components \$100K Site prep \$250K	Unknown due to property transfer		\$875,000 Budget	\$30/sf Extra features planned if funds raised
User Count	"A ton!" w/ estimate of 25-35/ weekday; 75-100+/ Sat or Sun	Comments: Usage is what they expected and is trending upward	Avg. 25 per day; Range 10L to 50H	Comments: Usage started strong but has declined. Kids (13+) skating elsewhere due to helmet requirement, waivers, and fees.	Expect 30,000 visitors annually and plan to host competitions and professional exhibitions		

	<b>1</b> AUBURN HILLS SKATEPARK	<b>AUBURN HILLS</b>	<b>2</b> MEIJER SKATEPARK	<b>BRIGHTON</b>	<b>3</b> RILEY SKATEPARK	<b>FARMINGTON HILLS</b>
Accepted Types of Use	Boards, Blades, BMX (self-regulating)					
Surface	Woodward Skatelite Pro with acoustical underlayment & 5 yr warranty on concrete pad	Local donation	asphalt and cement		100% concrete	
Surface Vendor website	<a href="http://www.playworldsystems.com/www/index.asp">http://www.playworldsystems.com/www/index.asp</a>					
Ramps & Rails	Woodward powder coated steel & ½" marine grade HDPE decking w/ 15 yr warranty	Unknown	Mostly concrete components with steel rails			
R & R Vendor website						
Maintenance	Minimal: mostly periodic surface cleaning and trash pickup	Largest annual expense is bathroom maintenance. Concrete is holding up well but asphalt has required annual patching (\$\$ & safety issues) and will replace with concrete soon.				
Secured vs Unsecured Area	Secured	Secured	Supervised	Secured	Unsupervised	
Supervised vs Unsupervised	Unsupervised	Supervised				
Hours of Operation	April 1 to Nov. 30 8am to Dusk	Apr 1-June 6 M-F Sa-Su 1200p - 800p 100p - 900p Sept 4-Sept 30 M-F Sa-Su 330p - 800p 1200p-800p Oct 1-Oct 30 Sa-Su only 1200p-800p				
Design recommendations	Very happy with ½ street, ½ ramps & rails plan. Select site that is visible and safe distance from resident homes (noise). Trail or sidewalk access important.					
Construction recommendations	Spend more upfront for longer life and less annual maintenance.	Don't cut corners with asphalt. Standard parking requirements are excessive -- ask for variance.				
		Both concrete and modular components have their place but if you are in it for the long haul it probably makes sense to go concrete.				

	<b>1</b> AUBURN HILLS SKATEPARK	<b>2</b> AUBURN HILLS MEIJER SKATEPARK	<b>BRIGHTON</b>	<b>3</b> RILEY SKATEPARK	<b>FARMINGTON HILLS</b>
Contractor recommendation	Site design by LAP Landscape Architect Professionals, Lansing; Skatepark design & Install: MI Skateparks LLC			Skatepark design by Site Design Group, Inc., Carlsbad, CA <a href="http://www.sitedesigngroup.com">www.sitedesigngroup.com</a>	
Parking	Started with 5 spaces and added 5 for year 2; still not enough; Design parking for easy drop off and pickup.		Have too much parking -- wasted space, wasted dollars, too much runoff.	Plenty available due to multiple use nature of facility	
Lighting	No	Yes	Vapor lights	Yes, eventually	Will raise funds
Liability / Insurance	Rely on signage: Protective gear strongly encouraged. Use facility at your own risk.		Protection via MI Muni Risk Mgmt. Authority (MMRMA). Waiver must be signed by each user.	Following guidance of MRPA Risk Mgmt. Assessment Guide and related training	
Protective Gear	Strongly encouraged	via signage	Required	Signage, and contract/waiver. Helmet rental: \$1	Strongly encouraged
Staffing	None	Maint supplied by DPW. Random monitoring by FT park system employee.	1 FTE	On-duty all hours	Random patrolling by park system rangers and community police. Park staff also nearby.
Rules of Use	Yes		Yes	Yes	Posted on signage
User Fees	None	Free to all	\$4/day	\$1 helmet rental avail.	None
Non-residents welcome	Yes	95% of users residents	Yes	No surcharge	Yes
Other comments	Feel strongly that their success derives from lack of regulation, no fees, no requirements, reliance on kids self-policing. Overall, the community is very pleased with the park including law enforcement, mun govt, and residents. Local Police voluntarily stop and visit with kids there.	Built by Chamber. Operated by School District Comm. Ed program. Transferred to 4 township rec authority. Goal is to be self-sustaining but in red since transfer. Will bring on BMX track and adding stage for events to enhance revenues.	Premium design. Plan to host regional competitions and deliver multi-level skills training program. Fundraising started in 2005. Single private donation of \$500K.	During design phase, heard a lot from BMXers but could not get any of them to step forward to help with project so dropped the idea of developing design that would serve them also. Does suggest we find a way to meet their needs if we can. Even if it is an adjacent phase 2 BMX track. They will find you!	

## AREA SKATEPARK COMPARISON

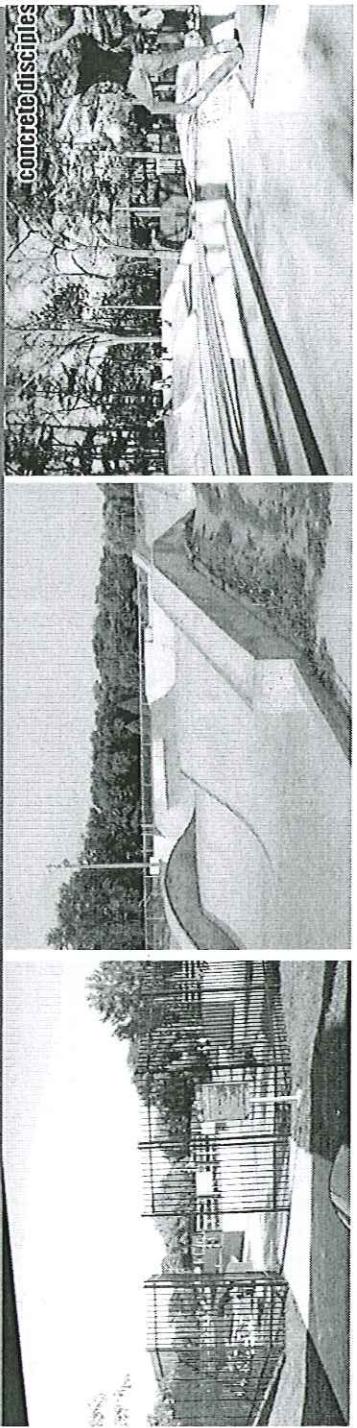


	<b>4 VETS PARK (PROPOSED)</b>	<b>ANN ARBOR</b>	<b>5 PARKER SKATEPARK</b>	<b>HOWELL</b>	<b>6 NIXON SKATEPARK</b>	<b>JACKSON</b>
Contact Person	Jeff Dehring, City of A2 Parks & Rec. Park Planning Landscape Architect Trevor Staples, Ann Arbor Skate Park Steering Committee (citizens group)  Jeff: (734) 994-1913 Trevor: 734 223-9837	Beth Shrader, Enrichment Dir., Parks & Rec. Steve Manor, City Councilman Debbie Mikula, Dir., Parks & Rec.	And Sergeant, Park Supervisor			
Organization	Ann Arbor Skatepark Action Committee working with City of Ann Arbor Parks Advisory Commission	Howell Area Parks & Rec. Authority	City of Jackson Parks & Rec.			
Currently Operating	No Unanimous Resolution of support from Parks Advisory Commission going to A2 City Council, June 2008	Yes Since 2004	Yes Since 2001			
Total Skateable Area	30,000 sf proposed	Features:	13,000 sf	Located in park with waterpark and hockey rink. Added on area with wood components in 2007 as Council chose not to spend additional funds for concrete expansion.		

	<b>4 VETS PARK (PROPOSED)</b>	<b>ANN ARBOR</b>	<b>5 PARKER SKATEPARK</b>	<b>HOWELL</b>	<b>6 NIXON SKATEPARK JACKSON</b>												
Cost to build	\$800,000 estimate	\$27/sf estimate	Existing park site planned and donated by city	Schools provided site. Parks & Rec provides programming. City owns & maintains.	\$225,000 \$18/sf Used existing park site.												
User Count	<p>Per Jeff A2 Skatepark Action Committee is driving this process. The city, while it has a skatepark mentioned as being desirable in its master plan, has no funding for such a facility. The City has made it clear that it could possible donate the land but that all other development costs must be carried by the citizens group. An escrow account would also need to be funded for on-going maintenance costs.</p>																
Accepted Types of Use	<p>Boards, inline skates only.</p>																
Surface	<p>100% Concrete</p>																
Surface Vendor website	<p><a href="http://www.baruzzini.com">http://www.baruzzini.com</a></p>																
Ramps & Rails																	
R & R Vendor website																	
Maintenance																	
Secured vs Unsecured Area	<p>Fenced but not secured (walk-through present). Kids still manage to lift bikes over fence.</p>																
Supervised vs Unsupervised	<p>Unsupervised</p>																
Hours of Operation	<p>M-F during school year: Closed during school hours Rest of year: Dawn to Dusk</p> <table> <tr> <td>Spring</td> <td>M-F</td> <td>4p-dusk</td> <td>\$1</td> </tr> <tr> <td></td> <td>Sat</td> <td>12p - 8p</td> <td>\$1.50</td> </tr> <tr> <td></td> <td>Sun</td> <td>1p - 7p</td> <td>\$1.50</td> </tr> </table> <p>Summer Daily to 930p</p>					Spring	M-F	4p-dusk	\$1		Sat	12p - 8p	\$1.50		Sun	1p - 7p	\$1.50
Spring	M-F	4p-dusk	\$1														
	Sat	12p - 8p	\$1.50														
	Sun	1p - 7p	\$1.50														

	<b>4</b> VETS PARK (PROPOSED)	<b>5</b> ANN ARBOR	<b>PARKER SKATEPARK</b>	<b>HOWELL</b>	<b>6</b>	<b>NIXON SKATEPARK</b>	<b>JACKSON</b>
Design recommendations			DM: Select site that has more visibility to decrease vandalism, safety threats, and increase usage. Another problem: their design is geared towards advance skater with few options for beginners and low intermediates. Who are you building for?		Plenty due to multi-function nature of park.	Involve local skaters in design process right from start. Helps build ownership.	
Construction recommendations							
Contractor recommendation			Plenty via school lots.	No	No	Waiver must be signed by each user	
Parking						Required. Helmet rental \$1 -- useful source of revenue.	
Lighting						1 assigned FTE plus other staff shared with other facilities	
Liability / Insurance						Contract signed by user and posted on signage	
Protective Gear						\$1 to \$2 depending on day	
Staffing			None	Though some programming occurs at site through Parks & Rec Authority	Yes	No surcharge	No surcharge
Rules of Use	Yes				Yes		
User Fees	None	Free to all			Yes		
Non-residents welcome	Yes	No surcharge			Yes		
Other comments	The Ann Arbor Skatepark Action Committee is working to create a safe, public recreation area for skateboarders, inline skaters and rollerskaters. The committee is made up of a broad range of community members. Their goal is to design and build an unprecedented skatepark, integrating public art and environmentally sound construction techniques in the project. If completed, this will be the largest skatepark in Michigan.						

## AREA SKATEPARK COMPARISON

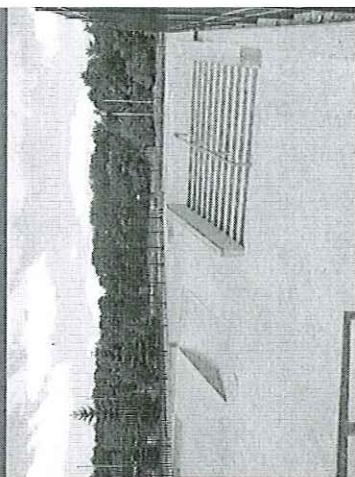
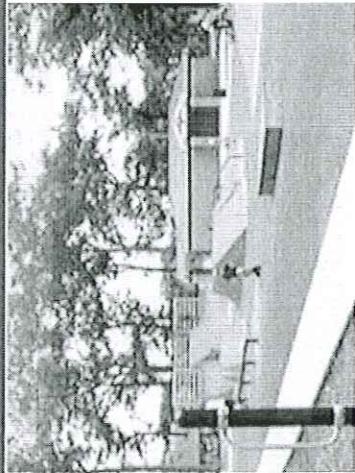
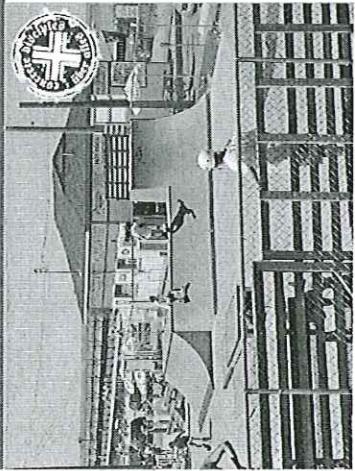


	<b>7 LIVONIA SKATE PARK</b>	<b>8 LIVONIA PARK</b>	<b>TRILOGY SKATE PARK</b>	<b>MIDLAND</b>	<b>9 CIVIC CENTER SKATE PARK</b>	<b>TRAVERSE CITY</b>
Contact Person	Tom Murphy, Director 734-466-2914 Community Rec. Ctr.		Brett Ireland, Dir., Parks & Rec. 989-837-6911		Marilyn Zielinski, Dir., Parks & Rec. (231) 922-4816 Email: <a href="mailto:mzielins@grandtraverse.org">mzielins@grandtraverse.org</a>	
Organization	City of Livonia Parks & Rec.		City of Midland Parks & Rec.		Grand Traverse County	
Currently Operating	Yes Since 2003		Yes Since 2001		Opened, Spring 2001	
Total Skateable Area	14,400 sf Street-style area and in-line hockey rink		15,000 sf 100% concrete. <u>Also have inline hockey rink that converts to ice hockey in another park.</u> BMX track available in 3rd park and 30 mi. rail trail that allows distance skating.		15,000 sf 100% concrete. Design is improved version of Trilogy.	
Cost to build	\$320,000 Ramps 150K	includes 70K for landscaping and 10' high ornamental fencing. Used existing parkland.	\$306,000 \$20/sf	Used existing city parkland	\$429,000 \$29/sf	Used existing prop in midst of County Civic Center. Architect: \$30K Construction: \$314K Landscaping: \$45K Fencing: \$10K Misc: \$30K

	7 LIVONIA SKATE PARK	8 LIVONIA	8 TRILOGY SKATE PARK	MIDLAND	9 CIVIC CENTER SKATE PARK	TRVERSE CITY
User Count		Avg. 20 per day; Range 12L to 40H	Comments: Usage about as expected.	Avg 30-40 per day -- often more -- crowded	Comments: Usage about as expected.	
Accepted Types of Use	Boards, inline skates only	Boards, inline skates only	Boards, inline skates only	Boards, inline skates only	Boards, inline skates only	
Surface	Skatelite Pro and concrete	Gerace Construction	100% Concrete. Required 400 cubic yards.	Gerace Construction	100% Concrete.	
Surface Vendor website			<a href="http://www.geraceconstruction.com/index.asp">http://www.geraceconstruction.com/index.asp</a>			
Ramps & Rails	TrueRide	Skatelite Pro surfaces, steel coping and street features, ACQ treated wood framed components on concrete slab  <a href="http://www.trueride.com">www.trueride.com</a>	Concrete components with steel rails	Negligible maintenance expense -- mostly blowing/hosing surface after autumn leaf fall and river flooding due to floodplain location.	Maintenance expense higher than desired due to vandalism in '07 though the frequency and amount spent declined.	
R & R Vendor website	Maintenance	Have replaced 3 sheets of Skatelite and annually repair chips and gouges to surface with epoxy. Pleased though with product choice.	Unsecured	Secured but not successfully		
	Secured vs Unsecured Area	Secured	Unsupervised	Limited supervision		
	Supervised vs Unsupervised	Supervised	Daily 8:00 a.m. – 10:30 p.m.			
Hours of Operation	Summer M-F 1100a - 700p Sat 1000a - 600p Sun 1000a - 500p	North-South layout preferred by skaters	Designed by Zach Wormhoudt <a href="http://www.skateparks.com/">http://www.skateparks.com/</a>	Designed by Zach Wormhoudt <a href="http://www.skateparks.com/">http://www.skateparks.com/</a>	Designed by Zach Wormhoudt <a href="http://www.skateparks.com/">http://www.skateparks.com/</a>	
Design recommendations	Construction recommendations	Keep area away from residential due to noise. Recommends the component style for flexibility/moveability.		Select more highly visible site. Make sure local police can patrol it. Keep away from senior citizen housing. Solve the BMX bike problem ahead of time.		
Contractor recommendation	Pleased with TrueRide			Recommends Gerace Construction		
Parking	Plenty available via Rec Center lot			Plenty available via Civic Center & Ice Arena lots		
Lighting	No	Yes	on timer	No		

	LIVONIA SKATE PARK	LIVONIA PARK	8 TRILogy SKATE PARK	MIDLAND	9 CIVIC CENTER SKATE PARK	TRAVERSE CITY
Liability / Insurance	Protection via MI Muni Risk Mgmt. Authority (MMRMA) who reported that they have had <u>no</u> skatepark claims filed.		via signage		Via signage	Protection via MI Muni Risk Mgmt. Authority (MMRMA) who reported that they have had <u>no</u> skatepark claims filed.
Protective Gear	Helmets required. Rigidly enforced.	Strongly encouraged	Helmets and other safety gear strongly recommended via signage	Strongly encouraged		Helmets and other safety gear strongly recommended via signage
Staffing	1 FTE all day	Cost of 18K annually	None	Some cost shared w/ other depts.		seasonal park rangers (College age young adults) patrol every 20 minutes
Rules of Use	Yes	Posted via sign at entrance	Yes	Yes	Posted	Posted
User Fees	Yes	Rec Center Pass Req'd Age & Residency based Daily, Seasonal, Annual avail. <u>For detailed chart</u>	None	Free to all	Not currently	Free to all
Non-residents welcome	Yes	Surcharge levied	Yes	No surcharge	Yes	High number during summer
Other comments	Nice looking park. Skatelite Pro surface is guaranteed for 5 years, withstands BMX bike abuse, and allows for easy removal of dirt and graffiti. Other components 10 yrs.	City Council, DDA, and community residents are all happy with how park has removed kids from hanging around downtown and given them a positive substitute activity. Two port-a-johns are available on site. RE: Vandalism -- night before grand opening, graffiti attack! Since then couple of minor small graffiti messages but nothing else.	In first year, park was free and unsupervised and generated high usage numbers avg of 40-60 per hour in summer. Kids would not wear helmets and Council objected so fees and supervision installed in yr 2. Has resulted in significant drop in attendance to 6-10 per day and only younger kids.		IMO, this park has many avoidable problems and we can learn much from their experience. It is noticeable that the Co. does not promote the park through its website or on its communication pieces.	

## AREA SKATEPARK COMPARISON

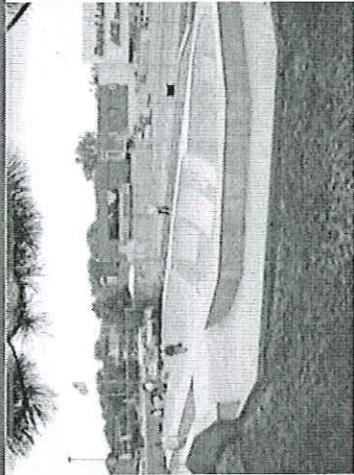
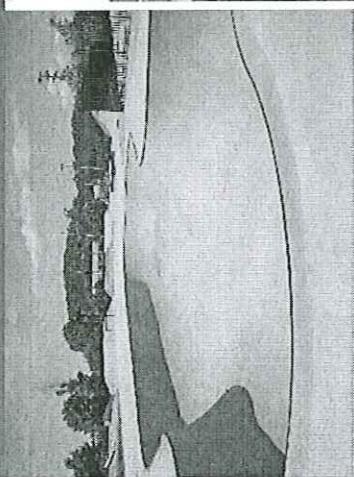


	<b>10 WATERFRONT SKATE PARK</b>	<b>11 SOUTH HAVEN</b>	<b>12 SEYFERTH PARK</b>	<b>MUSKEGON</b>	<b>12 CONCRETE JUNGLE WESTLAND</b>
Contact Person	Robin Abshire, Dir., South Haven Parks & Rec. 269-637-0771	Bernadette Young, Parks Supervisor, 231-724-6991	Laurie	734-467-3200	
Organization	Managed by local citizen group.	City of Muskegon Parks & Rec.		City of Westland Parks & Rec.	
Currently Operating	Yes	Since 1998	Since 1999	Yes	Since Nov., 2002
Total Skateable Area	Unknown but small and cramped.	Small collection of modular street-style components on concrete pad. User comments judge it to be for young skaters and beginners of all ages.	Unknown but looks spacious	Park totally renovated in 2002, and a new surface added to the in-line rink at Seyferth was completed in the spring of 2003.	12K concrete 5K asphalt course
Cost to build	Unknown	Property donated by city. Local citizens group raised funds for build.	Unknown	Did receive a matching grant from Community Foundation for Muskegon County.	Wayne County provided \$3000K.
User Count	Comments: Judged by local officials as boon to tourism Count unknown but popular	Unknown	Unknown	Use has declined but park is outdated and has wooden ramps. Grand Haven put in a concrete park with bowl and that also siphoned off users.	Unknown material.
Accepted Types of Use	Boards, inline skates only	Donated	Concrete pad.		
Surface		Surface			

	<b>10 WATERFRONT SKATE PARK</b>	<b>SOUTH HAVEN</b>	<b>11 SEYFERTH PARK</b>	<b>MUSKEGON</b>	<b>12 CONCRETE JUNGLE WESTLAND</b>
Surface Vendor website	Built by Ramptech with Skatelite surfaces.		Unknown		
Ramps & Rails	<a href="http://www.ramptech.com/default.asp">http://www.ramptech.com/default.asp</a>				
R & R Vendor website					
Maintenance	Maintained by local citizens group and skater members. About every 3 to 4 years new group of kids get involved with the maintenance of the park.				
Secured vs Unsecured Area	Unsecured	Unsecured	Secured		
Supervised vs Unsupervised	Unsupervised	Unsupervised	Supervised		
Hours of Operation	Seasonal 9:00a - Dusk Daily	Seasonal 9:00a - Dusk Daily	SUMMER SESSIONS: Session 1: Noon - 3:30 p.m. Session 2: 4 p.m. - Dusk; to midnight on weekends		
Design recommendations		Suggest not placing near picnic shelters, play equipment or too close to houses as skaters are loud and often foul-mouthed. Great choice for all communities as kids need active options.			
Construction recommendations					
Contractor recommendation	Plenty of metered parking nearby. Also easily accessible location.	Available.			
Parking					
Lighting	Yes				
Liability / Insurance					
Protective Gear	Required but voluntary	Has signage stating safety equipment required and skating at own risk.	Required but voluntary	Safety equipment required and available for rent.	
Staffing	None	Random patrolling by seasonal police.	Patrolled by park system rangers.		
Rules of Use	Yes	Yes	Yes	Yes	

	<b>10</b> WATERFRONT SKATE PARK	<b>11</b> SOUTH HAVEN	<b>11</b> SEYFERTH PARK	MUSKEGON	<b>12</b> CONCRETE JUNGLE WESTLAND
User Fees	None	Free to all			<p>Child/Wayne County Resident: \$3 per session;            All day pass - \$5            Child/Non-Wayne County Resident: \$5 per session; All day pass - \$7            Adult/Wayne County Resident: \$5 per session; All day pass - \$8            Adult/Non-Wayne County Resident: \$7 per session; All day pass - \$12</p> <p>Memberships available: includes your choice of a t-shirt, <math>\frac{1}{2}</math> off days, and special e-mail updates for \$15.00.</p>
Non-residents welcome	Yes	Many summer visitors use it while downtown or at beach.	Has parking, restrooms and located by a concession area. Do have some issues with underage smoking and a few drug deals. City does not manage the property and if the kids don't keep it maintained the city will take the property back and make it into a parking lot.	Located in a neighborhood park with bathrooms and drinking fountain. Issues with underage smoking but did reduce vandalism in other public areas. The skate facility did change the make up of the host park.	<p>Facility can be rented for private parties: 3 hours for \$100.00, pads included.</p> <p>Mostly local usage but have had skaters from as far as Ann Arbor. Has reduced problems with kids skating on public property.</p> <p>Contact Bob Kozoloski for additional information on cost. Park is located between city hall and the police department.</p>
Other comments					

## AREA SKATEPARK COMPARISON



	<b>13 MULLIGAN'S HOLLOW SKATE PARK</b>	<b>GRAND HAVEN</b>	<b>14 WOODS SKATE PK</b>	<b>HUNTINGTON WOODS</b>	<b>15 PARK NAME</b>	<b>CITY</b>
Contact Person	Sandy Katt, Community Dev. Mgr. (616) 842-2550			Nancy Waldmann, Dir., Parks & Rec. 248-541-3030		
Organization	City of Grand Haven			City of Huntington Woods		
Currently Operating	Yes	Opened 7/27/2007		Since Fall, 2002		
Total Skateable Area	13,700 sf		5,500 sf	Features a 3 tier concrete bowl and small street area; adjacent to roller hockey rink		
Cost to build	Budget: \$33 per sf Actual: ???		226K	\$41/sf excl of landscap, fencing 40K -- Design Svcs. 186K -- Concrete / Construction Used existing parkland Did recv CMI grant from DNR		
User Count			20-30 daily, up to 50	Nancy can't explain high sf costs exc may be due to Gerace transportation costs		
Accepted Types of Use	Boards, inline skates, and BMX bikes.			Boards, inline skates. Use of bikes can result in \$100 fine. Not judged to be violated often.		

	<b>13 MULLIGAN'S HOLLOW SKATE PARK</b>	<b>GRAND HAVEN</b>	<b>14 HUNTINGTON WOODS SKATE PK</b>	<b>HUNTINGTON WOODS</b>	<b>15 PARK NAME</b>	<b>CITY</b>
Surface		100% concrete. The 13,700-square-foot park required almost 800 tons of concrete to build.		100% concrete		
Surface Vendor website		<a href="http://www.californiaskateparks.com/index.php">http://www.californiaskateparks.com/index.php</a>		<a href="http://www.geraceconstruction.com/index.asp">http://www.geraceconstruction.com/index.asp</a>		
Ramps & Rails						
Maintenance				Nothing significant to date. Use grey paint to cover graffiti as all other solutions failed.		
Secured vs Unsecured Area	Unsecured		Secured by 10' fence			
Supervised vs Unsupervised	Unsupervised		Unsupervised			
Hours of Operation	March 1 - Oct 31 Daily Closed in inclement weather.	8:00 a.m. to 10:00 p.m.	8:30 or 9:00am to Dark			
Design recommendations				Poured concrete has significant noise advantage over slab/component design. Location is right in dense residential neighborhood with homes overlooking park and never a noise complaint. Also suggest you work with designer to build a true beginner area uncoupled from higher skill area. Their bowls are interconnected leading to younger and less experienced skaters feeling crowded out.		
Construction recommendations				Make sure concrete is spec'd for this usage as needs to be very smooth, not road/sidewalk grade.		
Contractor recommendation				Design: Very happy with Zack Wormhaut, out of SCAL. Also designed Midland Trilogy and Traverse City layouts. <a href="http://www.skateparks.com/">http://www.skateparks.com/</a> Construction: Gerace Construction		
Parking		Plenty of metered parking nearby. Also easily accessible location.		Have 7 spaces but never seen all used at once. Most kids skate to the park.		
Lighting				None		
Liability / Insurance				Aware of a few serious injuries, broken bones, ruptured spleen, but never a claim.		

	<b>13</b> MULLIGAN'S HOLLOW SKATE PARK	<b>GRAND HAVEN</b>	<b>14</b> HUNTINGTON WOODS SKATE PK	<b>HUNTINGTON WOODS</b>	<b>15</b> PARK NAME	CITY
Protective Gear	Strongly encouraged. PARK IS NOT SUPERVISED Use of Appropriate Safety Equipment is strongly encouraged. City of Grand Haven does not assume any responsibility for injuries.	Skate at your own risk. Safety equipment mandatory by Council. Violator can be fined up to \$100. Never enforced.	Mandatory but voluntary	Skate at your own risk. Safety equipment mandatory by Council. Violator can be fined up to \$100. Never enforced.		
Staffing	None Random patrolling by seasonal police.			None Facility locked each night and opened on weekends by Police. Opened by staff weekdays.		
Rules of Use	Yes Posted via signage	Yes	Yes	Yes	Posted via signage	
User Fees	None Free to all	None	None	Free to all		
Non-residents welcome	Yes			Yes		
Other comments						

## **APPENDIX N**

**APPENDIX Q – National Recreation and Parks Association – Recreation, Park and Open Space Standards and Guidelines**

ACTIVITY/ FACILITY	RECOMMENDED SPACE REQUIREMENTS	RECOMMENDED SIZE AND DIMENSIONS	RECOMMENDED ORIENTATION	NO. OF UNITS PER POPULATION	SERVICE RADIUS	LOCATION NOTES
Badminton	1620 sq. ft.	Singles – 17' x 44' Doubles – 20' x 44'	Long Axis north - south	1 per 5000	1/4 - 1/2 mile	Usually in school, recreation center or church facility. Safe walking or bike access.
Basketball			Long Axis north - south	1 per 5000	1/4 - 1/2 mile	Same as badminton. Outdoor courts in neighborhood and community parks, plus active recreation areas in other park settings.
-Youth	2400-3036 sq. ft.	46'-50' x 84'				
-High School	5040-7280 sq. ft	50' x 84'				
-Collegiate	5600-7980 sq. ft.	50' x 94'				
Handball	800 sq. ft. for 4 wall (3-4 wall)	20' x 40' – Min. of 10' to rear of 3 wall court. Min. 20' overhead clearance.	Long Axis north - south Front wall at north end.	1 per 20,000	15-30 minute travel	4 wall usually indoor as part of multi-purpose facility. 3 wall usually outdoor in park or school setting.
Ice Hockey	22,000 sq. ft. including support area	Rink 85' x 200' (minimum 85' x 185') Additional 5000 sq. ft. support area	Long Axis north - south if outdoor	Indoor 1 per 100,000 Outdoor depends on climate	1/2 - 1 hour travel time	Climate important consideration affecting no. of units. Best as part of a multi-purpose facility.
Tennis	Min 7,200 sq. ft. single court (2 acres for complex)	36' x 78' – 12' clearance on both sides; 21' clearance on both ends.	Long Axis north - south	1 court per 2000	1/4 - 1/2 mile	Best in batteries of 2-4. Located in neighborhood/community park or adjacent to school.

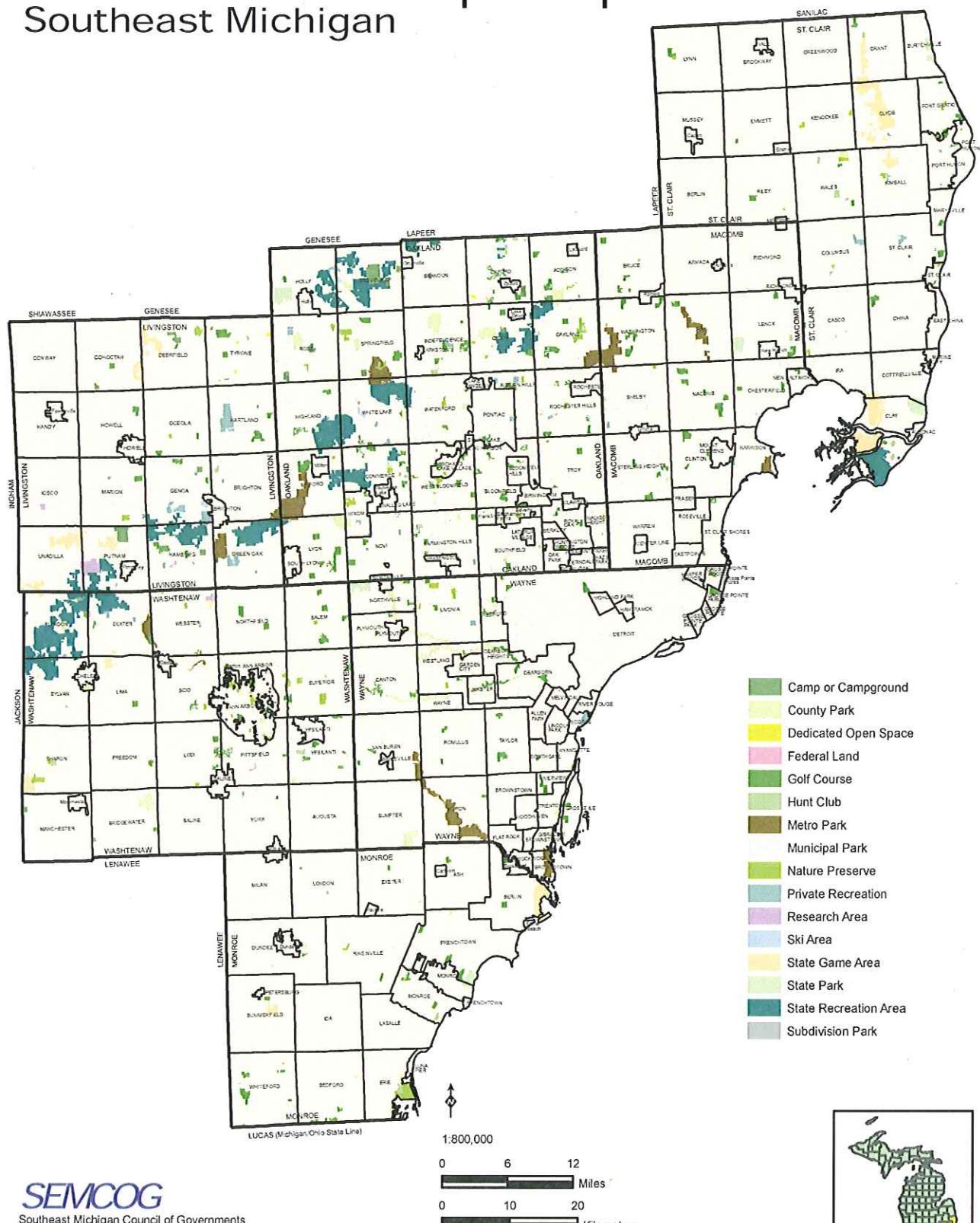
Volleyball	Minimum of 4,000 sq. ft.	30' x 60'. Minimum 6' clearance on all sides.	Long axis north-south	1 per 5,000	1/4 - 1/2 mile	Same as other court activities (i.e. Badminton)
Baseball -Official -Little League	3.0-3.85 Acres Minimum 1.2 Acres Minimum	Baselines- 90' Pitching Distance 60 1/2' Foul lines – min. 320' Center field – 400'+ Baselines – 60'  Pitching distance – 46' Foul Lines – 200' Centerfield – 200'- 250'	Locate home plate to pitcher throwing across sun and batter not facing it. Line from home plate through pitchers mound run east-north-east.	1 per 5,000  Lighted 1 per 30,000	1/4 - 1/2 mile	Part of neighborhood complex. Lighted fields part of community complex.
Field Hockey	Minimum 1.5 Acres	180' x 300' with a minimum of 6' clearance on all sides.	Fall season – long axis northwest to southwest. For longer periods north-south.	1 per 20,000	15-30 minutes travel time	Usually part of baseball, football, soccer complex in community park or adjacent to high school.
Football	Minimum 1.5 Acres	160' x 360' with a minimum of 6' clearance on all sides.	Same as field hockey.	1 per 20,000	15-30 minutes travel time	Same as field hockey.
Soccer	1.7-2.1 Acres	195' to 225' x 330' to 360' with a minimum 10' clearance on all sides.	Same as field hockey.	1 per 10,000	1-2 miles	Number of units depends on popularity. Youth soccer on smaller fields adjacent to school or neighborhood parks.
Golf-driving range	13.5 Acres for minimum of 25 tees	900' x 690' wide. Add 12 width for each additional tee.	Long axis south-west-northeast- with golfer driving toward northeast.	1 per 50,000	30 minutes travel time.	Part of a golf course complex. As separate unit may be privately owned.

<b>1/4 Mile Running Track</b>	4.3 Acres	Overall width-27'6' Length-600.02' Track width for 8 to 4 lanes is 32'.  Softball	Ling axis in sector from north to south to north-west-south-east with finish line at northerly end.  Same as baseball  Baselines-60' Pitching distance- 46' Min. 40' women Fast Pitch Field Radius from plate- 225' Between foul lines. Slow Pitch – 275' (men) 250' (women)	1 per 20,000  15-30 minutes travel time.	Usually part of high school, or in community park complex in combination with football, soccer, etc.  Slight differences in dimensions for 16" slow pitch. May also be used for youth baseball.
Multiple Recreation Court (basketball, volleyball, tennis)	9,840 sq. ft.	120' x 80'	Long axis of courts with primary use is north-south	1 per 10,000  1.2 miles -	
Trails	N/A	Well defined trailhead maximum 10' width, maximum average grade is 5% not to exceed 15%. Capacity rural trails-40 hikers/day/mile. Urban trails-90 hikers/day/mile.	N/A  1 system per region	N/A  -	

Archery Range	Minimum 0.65 Acres	300' length x minimum 10' wide between targets. Roped clear space on sides of range minimum 30', clear space behind targets minimum of 90' x 45' with bunker.	Archer facing north = or -45 degrees.	1 per 50,000	30 minutes travel time.	
Golf	-Par 3 (18 hole) -9-hole standard -18-hole standard	Average Length 600-2700 yards  Minimum 50 Acres  Minimum 110 Acres	Majority of holes on north-south axis  -  1/25,000  1/50,000	½ to 1 hour travel time.	9 hole course can accommodate 350 people/day. 18 hole course can accommodate 500-550 people/day. Course may be located in a community or district park, but should not be over 20 miles from population center.	
Swimming Pools		Varies on size of pool and amenities. Usually ½ to 2 Acre site.	Teaching-minimum of 25 yards x 45'; even depth of 3 to 4 ft.  Competitive-Minimum of 25 meters x 16 meters. Minimum of 27 sq. ft. of surface water per swimmer. Ratios of 2:1 deck vs. water.	None-although care must be taken in siting of lifeguard stations in relation to afternoon sun.	1 per 20,000 (Pools should accommodate 3-5% of total population at a time).	Pools for general community use should be planned for teaching, competitive and recreational purposes with enough depth (3.4m) to accommodate 1m and 3m diving boards. Located in community park or school site.

# Recreation and Open Space

## Southeast Michigan



**SEMCOG**

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